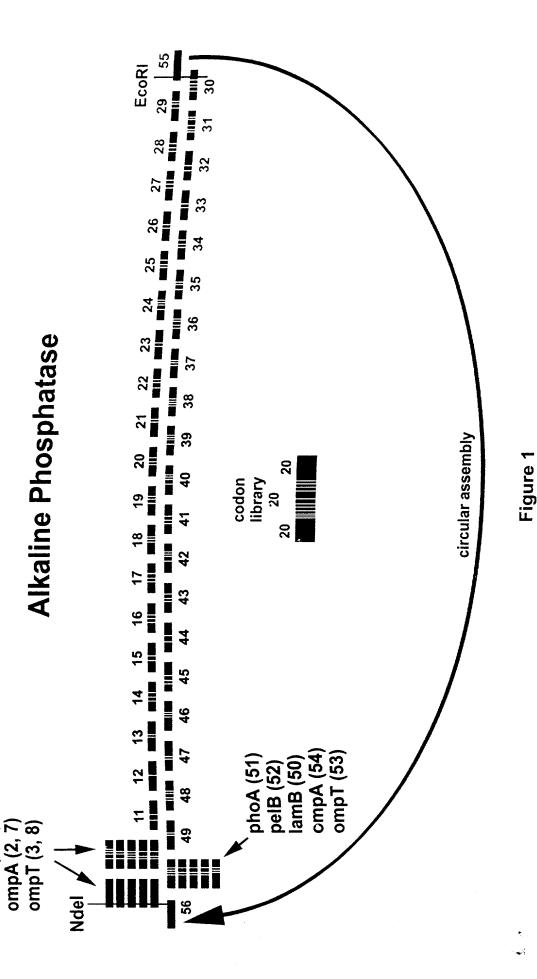
phoA (5, 10) pelB (4, 9) lamB (1, 6)



Interferon Figures

Protein sequences of interferon alphas to be shuffled

1.Consensus	(3	D *	L	P *	•	2 7	r f		S I	. 0	3 N		R	*	L *	*		*		Q 1 30		3 : *	R	1	s	P *	F *	S	C	L
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Figure 2A

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 4. alpha H
 5. alpha 4B
 6. alpha 6
 7. alpha 7
 8. alpha 8
 9. alpha D
10.alpha F
11.alpha I
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12.alpha WA
1.Consensus
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                                                      NO: 76
2. alpha I
                      3. alpha C
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                                                      NO: 77
                       - - K - G
                                                      NO: 78
                                             SEQ
4. alpha H
                                                  ID
                                                      NO: 79
5. alpha 4B
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7. alpha 7
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8. alpha 8
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10.alpha F
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11.alpha I
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12.alpha WA
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DNA sequences of interferon alphas to be shuffled T G T G A T C T G C C T C A G A C C C A C A G C C T G G G T 1.Consensus 2. alpha I 3. alpha C 4. alpha H 5. alpha 4B 6. alpha 6 7. alpha 7 8. alpha 8 C G 9. alpha D -10.alpha F 11.alpha I 12.alpha WA 1. Consensus AATAGGAGGCCTTGATACTCCTGGCACAA 50 2. alpha I 3. alpha C G 4. alpha H C - C - - - - A 5. alpha 4B - - - G 6. alpha 6 -7. alpha 7 - C 8. alpha 8 G 9. alpha D 10.alpha F 11.alpha I 12.alpha WA 1. Consensus ATGGGAAGAATCTCTCCTTCCTCCTGCCTG 80 2. alpha I 3. alpha C 4. alpha H 5. alpha 4B 6. alpha 6 7. alpha 7 8. alpha 8 - - A - C • 9. alpha D 10.alpha F 11.alpha I 12.alpha WA A A G G A C A G A C A T G A C T T T G G A T T T C C C C A G 1.Consensus 2. alpha I C 3. alpha C 4. alpha H 5. alpha 4B 6. alpha 6 7. alpha 7 8. alpha 8 T 9. alpha D 10.alpha F - - - T - - C -C 11.alpha I 12.alpha WA

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